

Attachment A

Groundwater Water Quality Objectives

Constituent of Concern	Practical Quantitation Limit µg/L	Water Quality Objective¹ µg/L
Gasoline	50	5.0 ²
Diesel	50	56 ³
Motor oil	175	1.0 ⁴
Benzene	0.5	0.15 ⁵
Toluene	0.5	40 ⁶
Ethylbenzene	0.5	30 ⁶
Xylenes	0.5	20 ⁶
Methyl tert-butyl ether	5	5 ⁷
Tert-butyl alcohol	10	12 ⁸
Polynuclear aromatic hydrocarbons	2.3	0.0044 ⁹

- ¹ Practical quantitation limits are based on current technology. For instances where technology cannot achieve the water quality objective the practical quantitation limit will be used.
- ² Published literature provides a taste and odor threshold of 5 µg/L which is applied to the narrative TASTE AND ODOR water quality objective of the Basin Plan.
- ³ 56 µg/L, calculated from a 4 September 1992 US EPA Superfund provisional reference dose for drinking water, is applied to the narrative TOXICITY water quality objective in the Basin Plan for domestic supply.
- ⁴ US EPA health advisory Suggested No Adverse Response Level (SNARL) of 0.1 µg/L to 1.0 µg/L applied to TOXICITY water quality objective in the Basin Plan.
- ⁵ California Public Health Goal (PHG) in Drinking Water (Office of Environmental Health Hazard Assessment) applied to TOXICITY water quality objective in the Basin Plan.
- ⁶ US EPA Secondary Maximum Contaminant Level, applied to TASTE AND ODOR water quality objective in the Basin Plan.
- ⁷ California Department of Health Services Secondary Maximum Contaminant Level, applied to TASTE AND ODOR water quality objective in the Basin Plan.
- ⁸ California Department of Health Services Drinking Water Action Level, applied to the narrative TOXICITY objective in the Basin Plan.
- ⁹ US EPA National Recommended Ambient Water Quality Criteria, applied to TOXICITY water quality objective in the Basin Plan.